Donna Redel is a recognized thought leader on blockchain-digital assets, an angel investor and a philanthropist. She was the managing director of The World Economic Forum, the foremost global organization combining business, political, academic, and other leaders of society committed to improving the state of the world. Ms. Redel was the first woman to chair a USA exchange, The Commodity Exchange. Following her work in global organizations she began a second career as a New York City based advisor, speaker, and investor focusing on financial technology, blockchain and emerging technologies. She is an active participant in the startup community with New York Angels, serving as a board member, the co-chair of the Blockchain Committee and the Israeli Investment Committee and chair of the Education Committee. Ms. Redel is an Adjunct Professor at Fordham Law School and Business School where she developed and teaches two courses, Blockchain-Crypto Currencies-Digital Assets and DeFi & Smart Contracts. She is the co-founder of The Fordham Law Blockchain Regulatory Symposium. Highlights of Donna’s committee memberships are the NYS Committee for the Advancement in Women’s Leadership in Financial Services, The Chamber of Digital Commerce, INATBA ‘s Academic Advisory Board which focuses on EU Digital Policy considerations, the MoMA Photography Committee, a Board Member of The Wall Street Blockchain Alliance, and Advisor to Securitize. She has a J.D. from Fordham Law School, an MBA from Columbia University and a BA from Barnard College (Columbia).

**Class Hours:**  Tuesday 3:30-6:30pm

**Office Hours:**  Wednesday 1:00-3:00pm or by appointment

**Overview:**  The course is designed to be generally accessible for all students: it does not require any technical skills, financial knowledge, or prior experience with cryptocurrencies. The course will explore the development of blockchain as a vehicle for innovation, the legal issues surrounding digital assets (blockchain) projects/protocols through case studies, and current regulation-litigation.

The course will address the basics of virtual and crypto currencies, digital assets, tokens, Decentralized Finance (DeFi), DAOs. and NFTs. Students will analyze Bitcoin, Ethereum, several Initial Coin Offerings (ICO) and newer digital assets, including governance tokens, stablecoins and CBDCs (central bank digital currency) from legal, business, economic, and policy perspectives. We will examine the current investment trends and discuss them with top fund managers.

**Pedagogy:**
- Weekly readings (articles, cases, regulatory filings) and discussions
- Instructor lectures and materials
- Guest speakers from different sectors of the industry. Student participation in Q&A is required.
Course Evaluation Criteria:

- Weekly Response to Articles or Assignments (via private Telegram): **10%**
- Class Participation, including submission of questions and discussion topics for guest speakers: **20%**
- Mid-Term Group Project: **30%, Due October 26th**
  - Working in a group, students will present via slide deck and oral presentation a comprehensive review of a current subject matter (for example: DeFi Protocols, DAOs, Regulatory Actions, etc.)
  - All topics and groups must be approved no later than Week 5. 6-8 students per group
- Final Paper Project: **40% Due December 20**
  - Students will select an investment opportunity or legal-policy issue and discuss the pros and cons in a 10-page paper or presentation.
  - Students are encouraged to use varied resources and presentation materials to assess the investments risks of their opportunity
  - Topics to be selected and approved with instructors

Industry Sources:
Due to the fast-changing nature of the subject matter students are encouraged to stay current with developments. For daily breaking news, excellent sources are:

- The Block: [https://www.theblockcrypto.com](https://www.theblockcrypto.com)
- The Defiant: [https://www.thedefiant.io](https://www.thedefiant.io)

Class Telegram Channel:
Telegram is commonly used in the cryptocurrency industry to organize communities around a specific project and distribute information on the market. We will use a private Telegram channel to organize class discussions and share breaking news.
Weekly Class Schedule:

<table>
<thead>
<tr>
<th>Week 1: August 30th</th>
<th>Building the foundational knowledge of cryptocurrency and its regulatory structure</th>
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<tbody>
<tr>
<td>Guest Instructor (weekly): Michael Maloney, blockchain tech expert</td>
<td><a href="mailto:mimaloney@fordham.edu">mimaloney@fordham.edu</a></td>
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<tr>
<td>• What is Money? From Yapp Stones to Digital Cash</td>
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<td>• What is the difference between currencies, commodities, securities, and derivatives?</td>
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<td>• An introduction to the regulatory landscape—SEC, CFTC, FINCEN, FINRA, IRS, OCC, state regulators</td>
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<td>• Who has regulatory oversight and why? Is there clarity?</td>
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<td>• Rules v Principles Based Regulation</td>
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<td>• What is the Howey Test and why is it relevant?</td>
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Readings for Week 1:


Week 2: September 6th | An Introduction to Blockchain, Bitcoin & Ethereum |
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<tr>
<td>Guest Speaker: TBD</td>
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<tr>
<td>• An introduction to blockchain: overview of the technology, including the discussion of hashing, distributed ledgers, private and public keys, and digital signatures.</td>
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<tr>
<td>• The difference between a hack, a fork, and stolen keys: what are the implications?</td>
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<tr>
<td>• Ethereum: Its beginning; its use; Proof of Stake; Who is Vitalik Buterin? Who is Joe Lubin?</td>
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Readings for Week 2:

Week 3: September 13

**The Lessons Learned from ICOs**

**Guest Speaker: TBD**

- The DAO Report: The SEC’s “line in the sand case”.
- The ICO craze of 2015-2018 put into perspective. What were the pros and the “cons”?
- What is a Ponzi Scheme and MLM?
- What is a SAFE, a SAFT and what are the legal issues surrounding it?
- What was Kik? Why was a token introduced?
- What was the Telegram settlement?
- What is the EOS settlement?
- What is the current status of Ripple and XRP?

**Readings for Week 3:**
- The SAFT Project, https://saftproject.com/
- Kik (Wells submission, SEC complaint, rebuttal by Kik, Judge Hellerstein decisions)
- Crypto Law Podcast: Gabriel Shapiro v Lewis Cohen, https://apple.co/3A4Cw1T

Week 4: September 20

**Where’s the Money? Smart Contract, Tokens, Decentralized Finance (DeFi)**

**Guest Speaker: TBD**

- Is Code Law?
- Yams, hams, and sweet potatoes? What is yield farming
- What is DeFi? Building a DeFi lending business, liquidity pools.
- Cases or Protocols: Uniswap, Compound, Aave, Yearn

**Readings for Week 4:**
- “Blockchain and the Law: The Rule of Code” by Primavera De Filippi and Aaron Wright (to be distributed)
- Digital Assets and Blockchain Technology: U.S. Law and Regulation, by Daniel T. Stabile, Kimberly A. Prior, Andrew M. Hinkes (chapter to be distributed)

Week 5: September 27

**Introduction to Stablecoins and Central Bank Digital Currency (CBDC)**

**Guest Speakers: TBD**

- Stablecoins are drawing a lot of regulatory attention...why?
- What are stablecoins? What are the uses?
• The controversy around Tether.
• What is Circle, what is the business case?
• What happened to LIBRA (now Diem) Facebook’s venture into Crypto?
• How are Stablecoins regulated? How should stablecoins be regulated?
• What are CBDCs and the current global status?
• Wallets – the new frontier?
• President’s Working Group Report

Readings for Week 5: Optional: Algorhmic stablecoins: Basis,  
https://www.basis.io/basis_whitepaper_en.pdf  
President’s Working Group Report  
Hamilton Project Report  

Week 6: October 4 Introduction to Banking and Lending

Guest Speakers: TBD
• Introduction to exchange models – Centralized, DeCentralized  
What is KYC – AML and the Travel Rule? What are the requirements? Is it effective?  
We will look at geographical arbitrage from a legal perspective, from a business formation perspective and from that of trading opportunities. What is geo-blocking?  
Overview of global regulation trends and the US’ jurisdictional reach.  
Building a crypto bank: Anchorage, Avanti, Kraken  
  o What is the status of crypto banking and OCC?  
  o Tracing blockchain transactions, ransomware. Case: Pipeline.  
What is leverage?  
Perils of Crypto Lending Businesses: BlockFi, Celsius, Coinbase’s LEND

Readings for Week 6:  
• BlockFi Settlement, Celsius, Coinbase - TBD  
• SEC Guidance on KYC/AML, https://www.sec.gov/about/offices/ocie/amlsource tool.htm
- BitMex v DOJ and CFTC consent order, [https://bit.ly/3uD0YGu](https://bit.ly/3uD0YGu)
- BitMex v DOJ and CFTC settlement, [https://bit.ly/2Ym4s4c](https://bit.ly/2Ym4s4c)

**Week 7: October 25**

**PRESENTATIONS**
- Class the groups will present and respond to Q&A.

**Readings for Week 7 TBD**

**Week 8: Nov. 1**

**Lending Protocols, the return of the DAO, and Gaming**

**Guest Speaker: TBD**
- A look at DeFi lending and borrowing protocols. How do they operate? What are the business and legal issues?
- DAOs are flourishing everywhere. How do they operate? Who is investing in them? What are the uses of the governance tokens? A look at The ConstitutionDao
- A look at the convergence of gaming and crypto: the opportunities and challenges.

**Readings for Week 8:**
* [https://coopahtroopa.mirror.xyz/_EDyn4cs9tDoOxNGZLfKL7JjLo5rGkkEfRa_a-6VEWw](https://coopahtroopa.mirror.xyz/_EDyn4cs9tDoOxNGZLfKL7JjLo5rGkkEfRa_a-6VEWw)
* TBD

**Week 9: Nov 8**

**Tokenization of Capital Markets**

**Guest Speaker: TBD**
- A deeper dive into Exchanges and Liquidity
- What is a Security Token? Where do they trade?
- Fractionalization, Securitization and Legal Issues
- What is decentralized and centralized exchanges? What are the differences, the regulations, and the risks?
- Exchanges offering multiple products and diversification: FTX in the US, globally and as a decentralized exchange

**Readings for Week 9**
• SEC reg relating to ATS: 17 CFR §242.301 regarding specific requirements for alternative trading systems: https://www.law.cornell.edu/cfr/text/17/242.301

Week 10: Nov 15 | Punks, Apes and More: NFTs

**NOTE:** Paper topics due, students must submit and get approval paper topics

**Guest Speakers:** TDB

- Marketplaces
- Issuance
- Crypto Punks
- Legal Issues
- DAOs

**Readings for Week 10: TBD**

- NFTs on SNL: https://www.youtube.com/watch?v=mrNOYudaMAc
- TBD

Week 11: Nov 29 | Institutional Investing in Blockchain and Crypto

**Guest Speakers Panel: For Example:** Multicoin, Coinbase, GoldenTree, Galaxy, CoinFund

- What are the reasons to invest in blockchain and crypto?
- What are the risks, the opportunities and the trends?
- Case studies of top returns and failures.

**Readings for Week 11:**

- Cases: TBD

Week 12: Dec 6 | Taxes, Policy Considerations, and the Future of Regulation

**Guest Speaker:** TBD

- What are the current tax requirements for cryptocurrency?
- What policy considerations are on the horizon in the United States?
- The infrastructure crypto inclusion.

**Readings for Week 12 TBD**